**Volume 7, Number 1** **January 1988**

M. BROWN: Editorial 1

A. C. BARNICOAT & P. J. TRELOAR: Himalayan metamorphism—an introduction 3

U. POGNANTE & B. LOMBARDO: Metamorphic evolution of the High Himalayan Crystallines in SE Zanskar, India 9

M. S. HUBBARD: Thermobarometric constraints on the thermal history of the Main Central Thrust Zone and Tibetan Slab, eastern Nepal Himalaya 19

A. PÊCHER: The metamorphism in the Central Himalaya 31

R. KÜNDIG: Domal structures and high-grade metamorphism in the Higher Himalayan Crystalline, Zanskar Region, north-west Himalaya, India 43

K. HONEGGER, P. LE FORT, G. MASCLE & J.-L. ZIMMERMANN: The blueschists along the Indus Suture Zone in Ladakh, NW Himalaya 57

A. STÄUBLI: Polyphase metamorphism and the development of the Main Central Thrust 73

A. MOHAN, B. F. WINDLEY & M. P. SEARLE: Geothermobarometry and development of inverted metamorphism in the Darjeeling–Sikkim region of the eastern Himalaya 95

P. J. TRELOAR, R. D. BROUGHTON, M. P. WILLIAMS, M. P. COWARD & B. F. WINDLEY: Deformation, metamorphism and imbrication of the Indian plate, south of the Main Mantle Thrust, north Pakistan 111

M. P. SEARLE & A. J. REX: Thermal model for the Zanskar Himalaya 127

C. P. CHAMBERLAIN, P. K. ZEITLER & M. Q. JAN: The dynamics of the suture between the Kohistan Island arc and the Indian plate in the Himalaya of Pakistan 135

**Volume 7, Number 2** **March 1989**

T. H. BELL & S. E. JOHNSON: The role of deformation partitioning in the deformation and recrystallization of plagioclase and K-feldspar in the Woodroffe Thrust mylonite zone, central Australia 151

J. J. DE YOREO, D. R. LUX, E. R. DECKER & P. H. OSBERG: The Acadian thermal history of western Maine 169

S. M. PEACOCK & P. J. NORRIS: Metamorphic evolution of the Central Metamorphic Belt, Klamath Province, California: an inverted metamorphic gradient beneath the Trinity peridotite 191

D. E. MOORE & M. C. BLAKE, JR: New evidence for polyphase metamorphism of glaucophane schist and eclogite exotic blocks in the Franciscan Complex, California and Oregon 211

R. J. BODNAR, P. R. BINNS & D. L. HALL: Synthetic fluid inclusions – VI. Quantitative evaluation of the decrepitation behaviour of fluid inclusions in quartz at one atmosphere confining pressure 229

S. M. STERNER & R. J. BODNAR: Synthetic fluid inclusions – VII. Re-equilibration of fluid inclusions in quartz during laboratory-simulated metamorphic burial and uplift 243

C. SIMPSON & R. P. WINTSCH: Evidence for deformation-induced K-feldspar replacement by myrmekite 261

Forthcoming papers 277

**Volume 7, Number 3** **May 1989**

T. H. BELL & S. E. JOHNSON: Porphyroblast inclusion trails: the key to orogenesis 279

J. A. DE ROO: Mass transfer and preferred orientation development during extensional microcracking in slate-belt folds, Elura Mine, Australia 311

G. L. CLARKE, R. POWELL & M. GUIRAND: Low-pressure granulite facies metapelitic assemblages and corona textures from MacRobertson Land, east Antarctica: the importance of $Fe_2O_3$ and $TiO_2$ in accounting for spinel-bearing assemblages 323

R. A. YUND, J. QUIGLEY & J. TULLIS: The effect of dislocations on bulk diffusion in feldspars during metamorphism 337

H. H. STOWELL: Silicate and sulphide thermobarometry of low- to medium-grade metamorphic rocks from Holkham Bay, south-east Alaska 343

H. E. BAKKER, K. DE JONG, H. HELMERS & C. BIERMANN: The geodynamic evolution of the Internal Zone of the Betic Cordilleras (south-east Spain): a model based on structural analysis and geothermobarometry 359

G. T. R. DROOP: Reaction history of garnet–sapphirine granulites and conditions of Archaean high-pressure granulite-facies metamorphism in the Central Limpopo Mobile Belt, Zimbabwe 383

Forthcoming papers 405

**Volume 7, Number 4** **July 1989**

H. E. PLINT & R A. JAMIESON: Microstructure, metamorphism and tectonics of the western Cape Breton Highlands, Nova Scotia 407

T. H. BELL & C. CUFF: Dissolution, solution transfer, diffusion versus fluid flow and volume loss during deformation/metamorphism 425

K. STÜWE & R. POWELL: Metamorphic evolution of the Bunger Hills, East Antarctica: evidence for substantial post-metamorphic peak compression with minimal cooling in a Proterozoic orogenic event 449

K. STÜWE & R. POWELL: Low-pressure granulite facies metamorphism in the Larsemann Hills area, East Antarctica; petrology and tectonic implications for the evolution of the Prydz Bay area 465

Forthcoming papers 485

**Volume 7, Number 5** **September 1989**

B. LEVI, L. AGUIRRE, J. O. NYSTRÖM, H. PADILLA & M. VERGARA: Low-grade regional metamorphism in the Mesozoic-Cenozoic volcanic sequences of the Central Andes 487

J. H. SEVIGNY & E. D. GHENT: Pressure, temperature and fluid composition during amphibolite facies metamorphism of graphitic metapelites, Howard Ridge, British Columbia 497

C. E. JACOBSON: Estimation of $Fe^{3+}$ from electron microprobe analyses: observations on calcic amphibole and chlorite 507

M. M. DONATO: Metamorphism of an ophiolitic tectonic mélange, northern California Klamath Mountains, USA 515

J. PAQUET, F. DELAY & D. LEMAGUER: Statistical microanalysis applied to garnet growth zoning and to cordierite fluid content 529

J. TOURNON, C. TRIBOULET & J. AZEMA: Amphibolites from Panama: anticlockwise $P$–$T$ paths from a Pre-upper Cretaceous metamorphic basement in Isthmian Central America 539

D. M. KERRICK & G. J. WOODSWORTH: Aluminium silicates in the Mount Raleigh pendant, British Columbia 547

Forthcoming papers 565

**Volume 7, Number 6** **November 1989**

H.-J. MASSONE: The upper thermal stability of chlorite + quartz: an experimental study in the system $MgO$–$Al_2O_3$–$SiO_2$–$H_2O$ 567

S. M. GRANT: Tectonic implications from sapphirine-bearing lithologies, south-west Grenville Province, Canada 583

L. PERCHUK, T. GERYA & A. NOZHKIN: Petrology and retrograde $P$–$T$ path in granulites of the Kanskaya formation, Yenisey range, Eastern Siberia 599

F. BEA: A method for modelling mass balance in partial melting and anatectic leucosome segregation 619

B. E. PATRICK & H. W. DAY: Controls on the first appearance of jadeitic pyroxene, northern Diablo Range, California 629

List of referees 641

Forthcoming papers 642

Author index 643

Subject index 645

Volume contents